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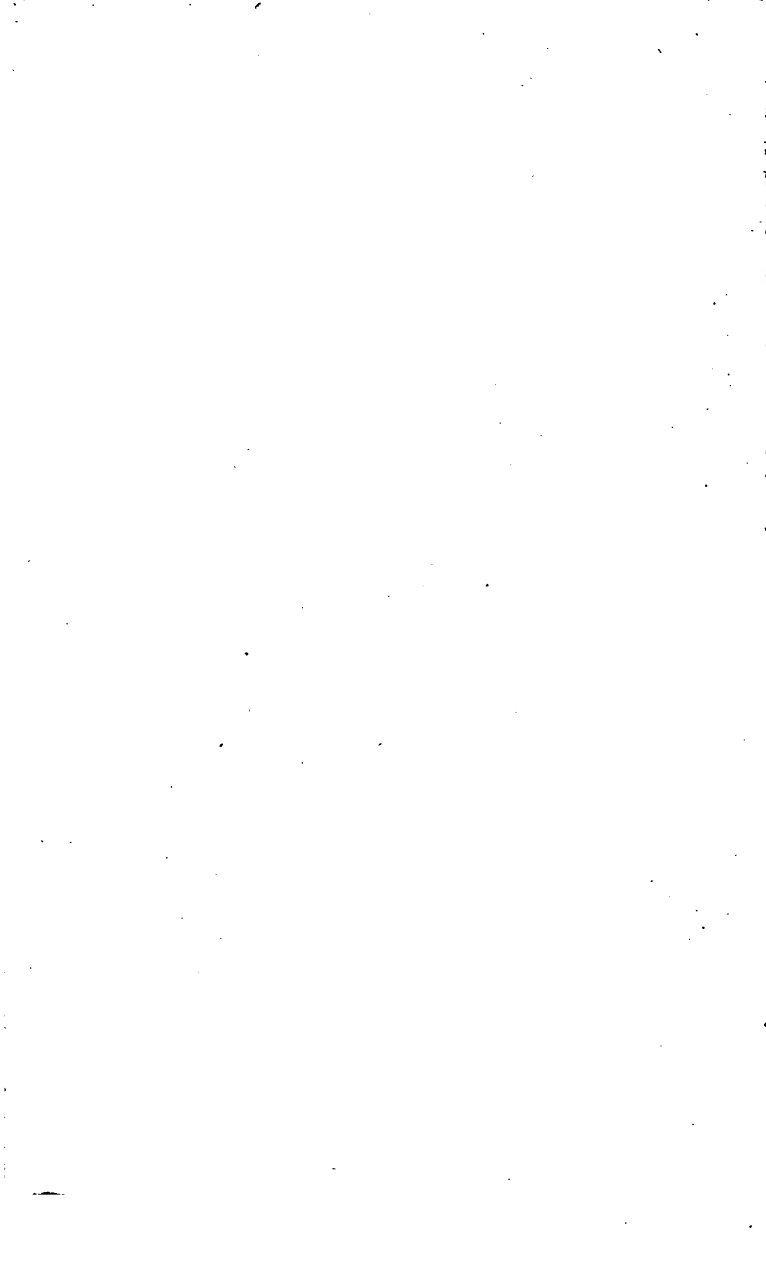
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CATALOGUE
OF
THE SPECIMENS
OF
NEUROPTEROUS INSECTS
IN
THE COLLECTION

OF THE
BRITISH MUSEUM. *Cyrt. inst.*
Dept. of zoology.

BY
DR. H. HAGEN.

PART I.
TERMITINA.

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PREFACE.

THE object of the present Catalogue is to give a complete list of all the genera and species of NEUROPTEROUS INSECTS known to exist in the different European Collections. The letters *a*, *b*, *c*, &c. after the species denote the specimens now contained in the British Museum, followed by the *habitat*, and the mode in which each of them was obtained; and the absence of these letters indicates the species which are desiderata, and therefore desirable to be procured for the Collection.

JOHN EDWARD GRAY.

British Museum,
Feb. 12, 1858.

295480



CATALOGUE

OF

NEUROPTERA.

Fam. I. TERMITINA, *Stephens, Burmeister.*

(Isoptera, *Brullé.* Termides, *Billberg.* Termitidæ, *Westwood.*
Termitides, *Leach, Walker.* Termitinæ, *Latreille.* Termitines, *Pictet.*)

Corpus depressum, ovatum; caput liberum; alæ æquales, deciduæ, membranacæ; tarsi 4-articulati.

Walker, Cat. Brit. Mus. 1853, p. 501; *Hagen, Linnæa*, xii. 1857, p. 1.

1. CALOTERMES.

Calotermes, Hagen, Berichte der Akad. zu Berlin, 1853, p. 480; *Linnæa*, xii. p. 33.

Capite parvo, ocellis instructo; prothorace magno, transverso, oblongo; area costali venosa; tarsis plantula instructis.

Milites operarii que oculis incoloratis.

1. C. CASTANEUS.

Castaneus: subtus, antennis, pedibus luteis; alis fusco-sordidis, margine venisque costalibus infuscatis; capite elliptico; prothorace quadrangulâ, antice leviter sinuato; mediana sub-costæ approximata, apice bifurcata.

Long. c. alis 13-20 mill.; exp. alar. 23-36 mill.

Calotermes castaneus, *Hagen, Linnæa*, xii. p. 38. tab. 2. 2, 3. 2.

Termes castaneus, *Burm.** ii. p. 764. 3.

Termes anticus, *Walk.** p. 523. 31.

Termes Guatimalæ, *Walk.** p. 528. 38.

Hab. California; Honduras; Guatemala; Cuba; St. Domingo; Portorico; Columbia; Venezuela; Brazil; Chili. Isle of France?

Var. a. Minor, pallida, alis hyalinis. Antilles; California.

Var. b. Pallida, alis hyalinis, tarsi plantula nulla. Chili.

(*T. castaneus*, *Walk.* cf. *Termopsis angusticollis*.)

a. Honduras. From Mr. Miller's Collection.

b. Guatemala. From M. Deby's Collection.

2. C. INSULARIS.

Fulvus: subtus, antennis pedibusque luteis; alis flavo-sordidis, margine venisque costalibus fulvescentibus; capite orbiculari; oculis permagnis; mediana subcostali approximata.

Long. c. alis 20–25 mill.; exp. alar. 38–43 mill.

Calotermes insularis, *Hag. Linn.* p. 42.

Termes insularis, *White*, Zool. Erebus and Terror*, fig. 11.

*Walk.** p. 521. 8.

Hab. New Holland; New Zealand.

a, b. New Zealand. Presented by Dr. Sinclair.

3. C. IMPROBUS.

Fulvus: subtus, antennis, pedibus luteis; alis; capite elongato, quadrangulati, angusto; oculis parvis; prothorace magno, quadrangulati, postice emarginato.

Long. corp. 6½ mill.

Calotermes improbus, *Hag. Linn.* p. 44.

Hab. Van Diemen's Land.

4. C. CONVEXUS.

Ferrugineus: subtus, abdomine, antennis, pedibusque fulvis; alis subfuscis.—*Walker.*

Long. corp. 4 mill.; exp. alar. 12 mill.

Calotermes convexus, *Hag. Linn.* p. 45.

Termes convexus, *Walk.** p. 527. 37.

Termes obscurus, *Walk.** p. 527. 36.

Hab. New Holland; Van Diemen's Land.

a. Swan River. Presented by Sir John Richardson.

b. Van Diemen's Land. From Mr. A. F. Smith's Collection.

Operarii et milites?

T. australis, *Walk.** p. 526.

a-d. New Holland. Presented by the Haslar Hospital. Van Diemen's Land; from Dr. Hooker's Collection. Nos. 1 and 2, miles; 3 and 4, operar.

5. *C. PERFECTUS*.

Ferrugineus: subtus fulvus, capitis disco piceo, antennis fulvis, abdomine thorace latiori, pedibus fulvis, alis subfuscescentibus.
— *Walker*.

Long. corp. 6 mill.; exp. alar. 20 mill.

Calotermes perfectus, *Hag. Linn.* p. 45.

Termes quadricollis, *Walk.** p. 515. 16.

Hab. — ?

a. From Mr. Children's Collection.

(*Termes quadricollis*, *Rbr.* cf. *Hodotermes*.)

6. *C. MARGINIPENNIS*.

Fulvus: subtus, antennis pedibusque luteis; alis albidis, margine venisque costalibus flavescentibus; capite quadrangulari; prothorace quadrangulari, antice emarginato; mediana et subcostali sejunctis.

Long. c. alis 18-19 mill.; exp. alar. 31 mill.

Calotermes marginipennis, *Hag. Linn.* p. 47.

Termes marginipenne, *Latr.* Humboldt, Recueil*, p. 111. tab. 39. 8.

Termes Mexicanus, *Walk.** p. 528. 39.

Hab. Mexico; California.

a. Mexico. Presented by E. P. Coffin, Esq.

Var. minor, fuliginosa; subtus, antennis pedibusque fuscis; alis sordide fuscis, margine venisque costalibus sejunctis.

7. *C. BERENDTII*. (Species fossilis.)

Fuscus: subtus, antennis pedibusque brunneis; alis fusco sordidis, margine venisque costalibus infuscatis; capite breviori, ovali; prothorace quadrangulari, antice leviter sinuato; mediana subcostali approximata, apice trifurcata.

Long. c. alis 19-21 mill.; exp. alar. 32-36 mill.

Calotermes Berendtii, *Hag.* Linn.* p. 49.

Termes Berendtii, *Pict.* Hag. Berendt, Organ. Reste Bernst.* ii. p. 49. tab. 5. 2.

Hab. Prussian Amber.

8. C. PRÆCOX.

Niger: ore, antennis fuscis; pedibus pallidis; tibiis fuscis; alis sordide fumosis, venis costalibus fuscis; capite oblongo; prothorace magno, postice latiori, rotundato; mediana subcostæ approximata.

Long. c. alis 11 mill.; exp. alar. 20 mill.

Calotermes præcox, *Wollaston*, MS.; Hag. Linn.* p. 51.

Hab. Madeira.

9. C. AFFINIS. (Species fossilis.)

Fuscus: alis, margine venisque costalibus infuscatis; capite ovali; prothorace magno, postice latiori, rotundato; mediana subcostæ approximata.

Long. c. alis 8½–12 mill.; exp. alar. 17 mill.

Calotermes affinis, *Hag. Linn.* p. 53.

Termes affinis, *Pict.* Hag. Berendt, Organ. Reste Bernst.* ii. p. 50. 2. tab. 5. 5.

Termes obscurus, *Pict.* ibid.*

Termopsis Girardi, *Giebel, Fauna d. Vorwelt*, ii. p. 294.

Hab. Prussian Amber.

10. C. FLAVICOLLIS.

Fuscus; ore, antennis, prothorace, pedibusque flavis; alis fumosis, margine venisque costalibus fuscis; capite quadrangulati; prothorace magno, oblongo, antice emarginato; mediana a subcosta sejuncta, apice furcata.

Var. Prothorace postice aut toto fusco.

Long. c. alis 10–12 mill.; exp. alar. 18–20 mill.

Calotermes flavicollis, *Hag. Linn.* p. 55. tab. 1. 12, 2. 15.

Termes flavicollis, *Fabr. Entom. Syst.* ii. p. 91. 6.

Latr. Hist. Nat.* xiii. p. 70. 6; *Dict. d'Hist. Nat.* xxii. p. 63.

Termes flavicollis, *Burm.** ii. p. 764. 4.

*Ramb.** p. 302. 1.

*Walk.** p. 503. 1, partim (only the larva p. 503. no. 1 from Marseilles).

Termes lucifugus, *Walk.** p. 505. 3, partim (only the nymph p. 503. no. 1 from Marseilles).

Termes lucifugus, *Burm.* * ii. p. 764. 2, partim (*var. prothorace nigro*).

*Rossi**, *Mant.* i. p. 107. 234, partim (only the variety).
Hemerobius marginalis, *Rossi**, *Fn. Etrusc.* ii. p. 16. 688.

Hab. Barbary; Algiers; Portugal; Spain; Provence; Sardinia; Italy; Dalmatia; Levant; Syria; Egypt.

a. Marseilles larva.

b. Marseilles. *Nympha alis brevioribus*.

(*T. flavicollis*, *Walk.* cf. *C. brevis*, *T. bellicosus*, *T. destructor*.)

11. *C. NODULOSUS*.

Fuscus: capite nigro-piceo; prothorace, ore, antennis pedibusque flavis; alis infuscatis, verrucosis, venis costalibus basique fuscis; capite quadrangulati, nitido; prothorace paulo angustiori, oblongo, postice rotundato, nitido; mediana subcostæ annexa.

Long. c. alis 10 mill.; exp. alar. 16 mill.

Calotermes nodulosus, *Hag. Linn.* p. 61. tab. 2. 4.

Hab. Brazil.

12. *C. RUGOSUS*.

Nigro-piceus: ore, antennis, tarsis flavidis; alis fuscis, verrucosis, venis costalibus basique nigris; capite quadrangulati, opaco; prothorace paulo latiori, oblongo, postice rotundato, latiori, nitido; mediana subcostæ annexa.

Long. c. alis 10 mill.; exp. alar. 16 mill.

Calotermes rugosus, *Hag. Linn.* p. 63. tab. 3, 4.

Hab. Brazil.

a-c. Constancia, near Rio Janeiro (Rev. Hamlet Clark).

13. *C. VERRUCOSUS*.

Castaneus: subtus, ore, antennis, pedibus dilutioribus; alis hyalinis, pallide fusco-flavescentibus, verrucosis, venis costalibus fuscis, tenuioribus; capite oblongo; prothorace vix angustiori, postice rotundato; mediana subcostali valde approximata.

Long. c. alis 14 mill.; exp. alar. 23 mill.

Calotermes verrucosus, *Hag. Linn.* p. 63. tab. 2. 7.

Hab. — ?

14. *C. PUSILLUS*.

Fuscus: antennis, ore dilutioribus; tibiis tarsisque pallide

flavis; alis hyalinis, verrucosis, venis costalibus crassis, fuscis; capite elongato; prothorace vix angustiori, postice rotundato; mediana subcostali valde approximata.

Long. c. alis 6 mill.; exp. alar. 12 mill.

Calotermes pusillus, *Hag. Linn.* p. 65.

Termes pusillus, *Heer**, *Insectenfauna von Oeningen*, ii. p. 35. tab. 3. 7.

Termes pusillus, *Giebel, Fauna d. Vorwelt*, ii. p. 295.

Termes diaphanus, *Giebel, Fauna d. Vorwelt*, ii. p. 296.

Hab. America. (Gummi Animé.)

(*T. pusillus*, *Walk.* cf. *T. lucifugus*.)

15. C. POSTICUS.

Piceus: antennis basi pedibusque læte flavis; alis; linearis, capite quadrangulâri, prothorace oblongo.

Long. corp. 4½ mill.

Calotermes posticus, *Hag. Linn.* p. 67.

Hab. St. Thomas's; West Indies.

16. C. BREVIS.

Fulvus: subtus, antennis, pedibus pallidis; alis hyalinis, venis costalibus flavidis; linearis, capite quadrangulâri; prothorace magno, oblongo, antice emarginato; mediana distante, sed ante apicem incurvata, subcostæ conjuncta.

Long. c. alis 9 mill.; exp. alar. 16 mill.

Calotermes brevis, *Hag. Linn.* p. 68. tab. 2. 6, 3. 5.

Termes brevis, *Walk.** p. 524. 33.

Termes indecisus, *Walk.** p. 524. 33.

Termes flavicollis, *Walk.** p. 502. 1, partim (only the imago, p. 502. 1, et miles, p. 503. 3).

Termes lucifugus, *Walk.** p. 505. 3, partim (only the imago, p. 505. 2).

Hab. Jamaica; Cuba; St. Thomas; Brazil; Central America.

a-c. Mr. Children's Collection.

17. C. SOLIDUS.

Testaceus, nitidus, linearis, subtus pallidior; capite elliptico; prothorace latiori, antice emarginato, postice rotundato; alis testaceis, venis pallidis.

Long. corp. 5 mill.; exp. alar. 18 mill.

Calotermes solidus, *Hag. Linn.* p. 70.

Termes ochraceus, *Walk.** p. 507. 6.

Hab. — ?

a, b. From Mr. Children's Collection.

(*Termes ochraceus*, *Rbr.* cf. *Hodotermes*.)

18. C. PALLIDUS.

Fulvus: antennis pedibusque pallidis; prothorace quadrangulâri; alis hyalinis, rugulosis; mediana ante apicem incurvata, subcostâ conjuncta.

Long. c. alis 9 mill. ?

Calotermes pallidus, *Hag. Linn.* p. 71.

Termes pallidus, *Rbr.* p. 303. 3.

Hab. Isle of France.

(*T. pallidus*, *Walk.* cf. *Hodotermes quadricollis*.)

19. C. SERRIFER.

Miles. Luteus: mandibulis fuscis; capite quadrangulâri, plano, puncto medio impresso; mandibulis longis, approximatis, rectis, intus serratis; prothorace obovato, magno, plano, antice exciso, bifido.

Nympha. Pallida: capite plano, rotundato, puncto medio prominulo; prothorace brevi, oblongo, postice rotundato.

Miles: long. corp. 3 mill. Nympha: long. corp. 3 mill.

Calotermes serrifer, *Hag. Linn.* p. 72. tab. 1. 6.

Hab. Santarem.

a, b. From Mr. Bates's Collection.

20. C. ? HEERII. (Species fossilis.)

Calotermes ? *Heerii*, *Hag. Linn.* p. 73.

Entermopsis Heerii, *Goldenberg, v. Meyer, Palæontogr.* 1854, iv. p. 29-31. tab. 1-4.

Entermopsis formosus, *Goldenberg, ibid.*

Entermopsis Dechenii, *Goldenberg, ibid.*

Entermopsis affinis, *Goldenberg, ibid.*

Cf. *Giebel, Fauna d. Vorwelt*, ii. p. 297-298.

Hab. Coals of Rhine. (Only the wings.)

2. TERMOPSIS.

Termopsis, Heer, *Insectenfauna von Öeningen*, ii. p. 23.

Hagen, *Monatsbericht Berl. Akad.* 1853, p. 480.

Hagen, *Peters, Reise Mozambique*, ii. p. 59; *Linnaea*, xii. p. 74.

Capite magno, ocellis nullis, prothorace parvo, area costali venosa, tarsis plantula instructis.

1. T. ANGUSTICOLLIS.

Rufus, subtus pallidior: ore infuscato; alis hyalinis, fumosis, venis costalibus rufis; capite ovali, plano; prothorace parvo, semicirculari.

Long. c. alis 26 mill.; exp. alar. 46 mill.

Termopsis angusticollis, Hag. *Linn.* p. 75. tab. 2. 1, 3. 41.

Termes castaneus, Walk.* p. 506. 4.

Hab. California; Louisiana.

a-d. California. From M. Hartweg's Collection.

2. T. ? OCCIDENTIS.

Miles. Fulvus, latus: capite crasso, rotundato; prothorace antice valde emarginato.

Long. corp. 14 mill.

Termopsis ? occidentis, Hag. *Linn.* p. 77. tab. 1. 8.

Termes occidentis, Walk.* p. 529. 41.

Hab. Central America.

a, b. West coast of Central America. Presented by Captain Wood and Lieut. Wood.

3. T. BREMII. (Species fossilis.)

Fuscus: pedibus, basi margineque externo alarum castaneis; capite magno, plano, rotundato; prothorace semicirculari.

Long. c. alis 18-22 mill.; exp. alar. 31-36 mill.

Termopsis Bremii, Hag. *Linn.* p. 78.

Heer*, *Insectenfauna v. Öeningen*, ii. p. 31. 15. tab. 3. f. 2.

Pict.* Hag. Berendt, *Org. Ueb. Bernst.* ii. p. 51. 3. tab. 5. 3.

Termes Pictetii, Berendt*, *ibid.*

Termes granulicollis, Pict.* *ibid.*

Termopsis Bremii, Giebel, *Fauna der Vorwelt*, ii. p. 294.

Hab. Prussian Amber.

4. T. GRACILICORNIS. (Species fossilis.)

Capite, antennis, prothorace, basi, margineque externo alarum fuscis; capite ovali, magno, plano; prothorace semicirculari.

Long. c. alis 25 mill.; exp. alar. 39 mill.

Termopsis gracilicornis, *Hag. Linn.* p. 80.

Pict. Hag. Berendt, Organ. Ueberr. Bernst.* ii. p. 53. 4.
tab. 5. 4.

Hab. Prussian Amber.

5. T. ? DECIDUUS. (Species fossilis.)

Subcosta valde distante, mediana nulla.

Exp. alar. 23 mill.

Termopsis ? deciduus, *Hag. Linn.* p. 80.

Hag. Berendt, Organ. Ueberr. Bernst.* ii. p. 52.

Hab. Prussian Amber.

3. HODOTERMES.

Hodotermes, *Hagen, Monatsbericht Berl. Akad.* 1853, p. 480;
Peters, Reise Mozambique, ii. p. 59; *Linnæa*, p. 81.

Capite magno, orbiculari; ocellis nullis; prothorace parvo;
area costali venosa; plantula nulla.

Milites operarii que oculis nigris.

* HODOTERMES.

1. H. OCHRACEUS.

Ochraceus: alis opacis, margine venisque costalibus paulo
flavidis; fronte nitida; prothorace postice rotundato; mediana
apice furcata; tibiis extus inermibus.

Long. c. alis 24 mill.; exp. alar. 46 mill.

Hodotermes ochraceus, *Hag. Linn.* p. 85. tab. 1. 9, 2. 3, 3. 7. 42.

Termes ochraceus, *Burm.** ii. p. 765. 5.

*Ramb.** p. 303. 2.

Savigny, Descr. de l'Egypte, Neuropt. tab. 2. 11.

Joly, Mémoires de Toulouse, 1849, tab. 1. 12.

Hab. Egypt.

2. H. VAGANS.

Rufo-fuscus: ore, subtus, antennis, tibiis tarsisque flavican-
tibus; alis opacis, margine venisque costalibus leviter rufescen-
tibus; fronte rugosa, pallide punctata; prothorace postice semi-
circulari; mediana in medio furcata, ramo interno simplici, ex-
terno furcato; tibiis extus inermibus.

Long. c. alis 24 mill.; exp. alar. 42 mill.

Hodotermes vagans, *Hag. Linn.* p. 88. tab. 2. 18. 19.

Hab. Schiraz.

3. *H. VIARUM.* (Larva.)

Hodotermes viarum, *Hag. Linn.* p. 90.

Termes viarum, *Koenig, Schrift. Berl. naturf. Freunde*, iv. p. 24. tab. 1. 12-14.

Hab. Tranquebar.

4. *H. CONVULSIONARIUS.* (Larva.)

Hodotermes convulsionarius, *Hag. Linn.* p. 90.

Termes convulsionarius, *Koenig, Schrift. Berl. naturf. Freunde*, iv. p. 24.

Hab. Tanschaur.

5. *H. VIATOR.*

Fuscus: ore, antennis, tibiarum apice tarsisque flavicantibus; alis hyalinis, margine venisque costalibus fusciscentibus; prothorace æquali, lateribus rectis; mediana ante medium furcata, ramis iterum furcatis; tibiis extus spinosis.

Long. c. alis 19-22 mill.; exp. alar. 34-40 mill.

Hodotermes viator, *Hag. Linn.* p. 91. tab. 3. 8.

Termes viator, *Latr.* Hist. Nat. xiii.* p. 51. 8; *Nouv. Dict. d'Hist. Nat.* xxii. p. 49.

Burm. ii.* p. 765. 6.

Hab. Cape of Good Hope.

(*T. viator*, *Walk. cf. H. Mossambicus*, *T. bellicosus*, et *militaris*.)

6. *H. VIARUM.* (Larva.)

Hodotermes viarum, *Hag. Linn.* p. 93.

Smeathm. Trans. Roy. Soc. vol. 71.

Hab. Sierra Leone.

7. *H. MOSSAMBICUS.*

Rufo-fuscus: ore, subtus, tibiis tarsisque flavicantibus; alis hyalinis, margine venisque costalibus fusciscentibus; prothorace postice angustiori, rotundato; mediana apice fusca, simplici; tibiis extus spinosis.

Long. c. alis 28 mill.; exp. alar. 52 mill.

Hodotermes Mossambicus, *Hag. Linn.* p. 94.

Termes Mossambicus, *Hag. Monatsbericht Berl. Akad.* 1853, p. 480.

Peters, Reise Mozambique, ii. p. 86. tab. 4. 18-21.

Termes viator, *Walk.** p. 508. 7, partim (only the soldier and labourer).

Hab. Mozambique; Caffraria.

a, b. South Africa. From Mr. Pearson's Collection.

8. *H. PROCERUS.* (Species fossilis.)

Nigro-fuscus: thorace, alis griseis; subcostæ ramo secundo apice sæpius furcato.

Long. c. alis 42 mill.; exp. alar. 78 mill.

Termopsis procerus, *Heer, Insectenf. Eningen*, ii. p. 23. tab. 2. f. 5.

Giebel, Fauna d. Vorwelt, ii. p. 292.

Hodotermes procerus, *Hag. Linn.* p. 97.

Hab. Radoboj.

9. *H. HAIDINGERI.* (Species fossilis.)

Griseo-fuscus: prothorace brevi cordato, subcostæ ramo secundo apice sæpius furcato.

Long. c. alis 39 mill.; exp. alar. 74 mill.

Hodotermes Haidingeri, *Hag. Linn.* p. 98.

Termopsis Haidingeri, *Heer*, Insectenf. Eningen*, ii. p. 26. 12.

Giebel, Fauna d. Vorwelt, ii. p. 293.

Hab. Radoboj.

10. *H. SPECTABILIS.* (Species fossilis.)

Prothorace subquadrato, mediana bis bifida.

Long. c. alis 41 mill.; exp. alar. 74 mill.

Hodotermes spectabilis, *Hag. Linn.* p. 99.

Termopsis spectabilis, *Heer, Insectenf. Eningen*, ii. p. 28. 13. tab. 2. 6.

Giebel, Fauna d. Vorwelt, ii. p. 293.

Hab. Eningen.

11. *H. INSIGNIS.*

Prothorace cordato, angulis anticis productis, obtusiusculis; mediana bifida.

Long. c. alis 35 mill.; exp. alar. 65 mill.

Hodotermes insignis, *Hag. Linn.* p. 100.

Termopsis insignis, *Heer, Insectenf. Eningen*, ii. p. 29. 14. tab. 3. f. 1.

Giebel, Fauna d. Vorwelt, ii. p. 293.

Hab. Eningen.

** POROTERMES.

Porotermes, *Hagen, Linnæa*, xii. p. 101.

12. H. (P.) QUADRICOLLIS.

Fulvus, supra obscurior: ore brunneo; alis hyalinis, paulo rufescentibus, venis costalibus rufis; capite ovali, plano, puncto medio, ocellisque nullis; prothorace parvo, oblongo.

Long. c. alis 20 mill.; exp. alar. 38 mill.

Hodotermes quadricollis, *Hag. Linn.* p. 101. tab. 1. 10.

Termes quadricollis, *Rbr.** p. 304. 4.

Termes pallidus, *Walk.** p. 504. 2.

Termes Chilensis, *Gay? Fn. Chil. Neuropt.* tab. 1. f. 1-3.

Hab. Chili.

a. —?

*** STOLOTERMES.

Stolotermes, *Hagen, Linnæa*, xii. p. 105.

13. H. (St.) BRUNNEICORNIS.

Nigro-fuscus: ore, antennarum articulis duobus basalibus, capite subtus, pedibus testaceis; tibiis brunneis, apice clariori; alis opacis, nigris, venis costalibus nigris; capite parvo, orbiculari, plano, puncto medio, ocellisque nullis; prothorace parvo, plano, semicirculari.

Long. c. alis 13 mill.; exp. alar. 23 mill.

Hodotermes brunneicornis, *Hag. Linn.* p. 105. tab. 2. 5.

Hab. Van Diemen's Land.

4. TERMES.

Termes et Entermes, *Hag. Bericht Berl. Akad.* 1853, p. 480.

Peters, Reise Mozamb. ii. p. 59; *Linnæa*, xii. p. 107.

Capite magno, rotundato, ocellis instructo; prothorace cordiformi, parvo; area costali libera; plantula nulla.

Milites operarii que oculis nullis.

• TERMES.

Termes, *Hagen, Linnæa*, xii. p. 108.

Caput non nasutum; mediana a submediana distante, incurva.

1. T. BELlicosus.

Fuscus: antennis pallide annulatis; ore, pedibus, ventre flavo-ferrugineis; alis opacis, flavescentibus, venis costalibus ferrugineis; capite ovato, plano, puncto medio prominulo; ocellis magnis, subsuperis, propinquis; prothorace cordato.

Long. c. alis 37-42 mill.; exp. alar. 65-80 mill.

Termes bellicosus, *Hag. Linn.* p. 109. tab. 1. 3, 16, 17, 20, 21, 24.

Smeathm. Trans. Roy. Soc.* vol. 71. p. 141. 1. tab. 7, 8, 10. 1-9.

Hag. Peters, Reise Mozamb.* ii. p. 59. tab. 3.

Savage, Proc. Acad. Philad.* iv. p. 211; *Ann. & Mag. Nat.*

Hist. 1850, p. 92.

Termes fatale, *Fabr. Spec. Ins.* i. p. 395. 1; *Mant. Ins.* i. p. 248. 1;

Entom. Syst. ii. p. 87. 1 (sine synon. citat.).

Linn. ed. Gmel. v. p. 2911. 1 (sine synon. cit.).

Termes fatalis, *Burm.* ii.* p. 765. 7 (partim).

Termes Capensis, *Latr.* Hist. Nat.* xiii. p. 68. 1; *Nouv. Dict. d'Hist. Nat.* xxii. p. 59.

Termes subhyalinus, *Rbr.* p.* 307. 12.

Termes viator, *Walk.* p.* 508. 7, partim (only the queen and the imago).

Termes fatalis, *Walk.* p.* 510. 8, partim (only the imago from Congo).

Var. Mossambica, *Hagen.*

Hab. Senegal; Sierra Leone; Arropong; Congo; Caffraria; Mozambique; Sennaar; Cordofan; Tigre Abyssinia.

a. (In spirits.) Queen. Cape Coast Castle. Presented by — Williams, Esq.

b, c. Imago. From Dr. Krauss's Collection. Port Natal.

d. Imago (without wings). Congo. Presented by Sir John Richardson.

An miles junior? *T. flavicollis*, *Walk.* p.* 503. 1. *a-c.* Tripoli.

2. T. MILITARIS.

Fuscus: capite nigro; ore, pedibus, epistomate rufo-flavidis; antennis brunneis; alis opacis, albidis, venis costalibus flavidis; capite ovato, plano, puncto medio perparvo; ocellis subsuperis, propinquis; prothorace semicirculari, margine antico bifido.

Long. c. alis 20 mill.; exp. alar. 38 mill.

Termes militaris, *Hag. Linn.* p. 123. tab. 3. 9.

Termes viator, *Walk.* p.* 509. 7, partim (only the imago).

Hab. — ?

a, b. — ?

3. *T. ANGUSTATUS.*

Nigro-piceus: *antennis paulo annulatis, ore rufo, pedibus fuscis, genubus obscurioribus; alis opacis, griseo-fumosis, venis costalibus fuscis; capite parvo, orbiculari, plano, puncto medio vix conspicuo; ocellis valde distantibus; prothorace parvo, semi-circulari.*

Long. c. alis 35 mill.; exp. alar. 67 mill.

Termes angustatus, Hag. Linn. p. 123. tab. 3. 10.

Rbr. p. 306. 11.*

Walk. p. 519. 21.

*Termes Caffer, Mus. Berol.**

Hab. Cape; Caffraria, Port Natal.

4. *T. CAPENSIS.*

Nigro-piceus: *antennis paulo annulatis, ore rufo, pedibus fuscis, genubus pallidioribus, tibiis obscurioribus; alis opacis, cinereis, venis costalibus brunneis; capite parvo, orbiculari, magis plano, puncto medio vix conspicuo; ocellis valde distantibus; prothorace parvo, cordato.*

Long. c. alis 27 mill.; exp. alar. 50 mill.

Termes Capensis, Hag. Linn. p. 125.

De Geer, Mém. vii. p. 47. tab. 38. 1-3.

Retzius, p. 200. 1321.

Linn. ed. Gmel. v. p. 2913. 7.

Termes fatalis, Walk. p. 510, partim (only the imago from Gambia).*

Burm. ii. p. 765. 7, partim.*

Hab. Cape; Caffraria; Gambia.

a. Gambia.

5. *T. DESTRUCTOR.*

Nigricans: *pedibus fuscis; tibiis apice tarsisque, ore brunneis; antennis testaceis, pallide annulatis; alis paulo hyalinis, sordide cinereis, venis costalibus infuscatis; capite rotundato, plano, puncto medio perparvo impresso; ocellis subsuperis, distantibus; prothorace cordato.*

Long. c. alis 10 mill.; exp. alar. 31-34 mill.

Termes destructor, Hag. Linn. p. 127. tab. 1. 14, 3. 11.

Smeathm. Trans. Roy. Soc. vol. 71. p. 141. 4. tab. 10. 19, 20.*

Termes flavicollis, Walk. p. 504. 1, partim (only the imago from the West Coast of Africa).*

Termes subhyalinus, Walk. p. 519. 22 (miles?).*

*Termes Cordofanus, Mus. Vienn.**

Hab. Senegal; Cordofan; Port Natal.

- a. West Coast of Africa. From Mr. Fraser's Collection.
 b, c. Sierra Leone? Presented by the Rev. D. F. Morgan.

6. T. CARBONARIUS.

Nigro-piceus, nitidus: ore, antennis, pedibus lutescentibus; alis nitidis, hyalinis, infuscatiss, venis costalibus obscurioribus; capite magno, ovali, paulo convexo, puncto medio prominulo; ocellis valde distantibus, sub mento antice inflato; prothorace semicirculari.

Long. c. alis 29 mill.; exp. alar. 56 mill.

Termes carbonarius, *Hag. Linn.* p. 130. tab. 1. 2, 2. 8, 3. 12.

Hab. Borneo; Pulo Penang.

7. T. BRUNNEUS.

Nigro-piceus, nitidus: ore rufo; palpis fuscis; antennis nigris, paulo annulatis; pedibus fuscis, tibiis apice et tarsis pallidioribus; alis opacis, nitidis, brunneis, venis costalibus fuscis; capite rotundato, plano, puncto medio parvo, vix prominulo; ocellis approximatis; prothorace parvo, cordato.

Long. c. alis 27 mill.; exp. alar. 52 mill.

Termes brunneus, *Hag. Linn.* p. 133. tab. 3. 13.

Termes fatalis, *Burm.** ii. p. 766. 7, partim (only from Bengal).

Termes obesus, *Walk.** p. 516. 17.

Hab. Bengal; Madras.

a-c. North India. From Mr. E. James's Collection.

d. Madras. Presented by Walter Elliot, Esq.

8. T. TAPROBANES.

Piceus, subtus fulvus: ore, antennis brunneis; pedibus luteis, tarsis brunneis; prothorace macula hastiformi rufa; alis fuscis, opacis, venis costalibus nigro-fuscis; capite magno, rotundato, plano, puncto medio parvo, prominulo; ocellis parvis, paulo distantibus; prothorace parvo, cordato.

Long. c. alis 26 mill.; exp. alar. 52 mill.

Termes Taprobanes, *Hag. Linn.* p. 136. 8. tab. 3. 16.

*Walk.** p. 522. 29.

Termes Sumatrense, *Blanch. Cuvier, ed. Masson*, tab. 106. 16, queen.

Hab. Ceylon; Borneo; Sumatra; East Indies.

a-d. Ceylon. From Mr. Cuming's Collection.

e. East Indies. From Archdeacon Clerk's Collection.

9. *T. FERRUGINOSUS.*

Ferrugineus: alis fusco-nigris.

Long. c. alis 14 mill.

Termes ferruginosum, *Latr. Hist. Nat.* xiii. p. 70. 9; *Dict. d'Hist. Nat.* xxii. p. 63.

Hab. East Indies.

10. *T. DIVES.*

Fuscus: capite nigro-piceo; ore, pedibus, ventre, prothoracis margine strigaeque media luteis; antennis annulatis; alis opacis, fusco-cinereis, venis costalibus fuscis; capite parvo, rotundato, plano, puncto medio parvo, prominulo; ocellis magnis, distantibus; prothorace parvo, cordato.

Long. c. alis 26 mill.; exp. alar. 50 mill.

Termes dives, *Hag. Linn.* p. 139. tab. 2. 9, 3. 15.

Hab. Manilla; Java.

11. *T. FATALIS.*

Rufo-fuscus: subtus, ore, antennis, pedibus, prothoracis margine maculaeque hastiformi luteis; alis cinereis, venis costalibus fulvis; capite parvo, plano, rotundato, puncto medio parvo, prominulo; ocellis magnis, approximatis; prothorace parvo, cordato.

Long. c. alis 22 mill.; exp. alar. 40 mill.

Termes fatalis, *Hag. Linn.* p. 143.

Termes fatale, *Kaenig*, Schrift. Berl. Naturf. Freunde*, iv. p. 1. tab. 1. 1-9.

Fabr. P. Syst. Entom. i. p. 390. 1.

Termes Mauricianus, *Walk.** p. 517. 18.

Hab. Ceylon; Borneo; East Indies; Tanschaur.

a. East Indies. From Archdeacon Clerk's Collection.

b. (In spirits) Queen. Tanschaur, *Kaenig*.

12. *T. OBESUS.*

Piceus: prothoracis margine maculaeque media, ore, ventre, pedibus luteis; antennis annulatis; alis hyalinis, lutescentibus, venis costalibus fumosis; capite parvo, plano, rotundato, puncto medio parvo, prominulo; ocellis magnis, approximatis; prothorace parvo, plano, cordato.

Long. c. alis 26 mill.; exp. alar. 48 mill.

Termes obesus, *Hag. Linn.* p. 145. tab. 2. 36.

Rbr. p. 304. 5.

Termes bellicosus, *Joly, Mém. Toulouse*, v. tab. 1. 14.

Hab. East Indies; Bombay.

13. T. GILVUS.

Fuscus: capite thoraceque ferrugineis, fronte macula rubra; ore, antennis pedibusque gilvis; alis hyalinis, albo-flavescentibus, venis costalibus fulvis; capite parvo, rotundato, plano, puncto medio parvo, prominulo; ocellis magnis, prominulis, valde appropinquantibus; prothorace cordato.

Long. c. alis 25 mill.; exp. alar. 42 mill.

Termes gilvus, *Hag. Linn.* p. 148. tab. 3. 14.

Hab. Java.

14. T. DIRUS.

Rufo-fuscus: ore, fronte macula, antennis, prothorace, ventre, pedibus rubro-flavis; alis infuscatis, venis costalibus fusconigris; capite ovali, macula media impressa orbiculari; ocellis distantibus; prothorace semicirculari, angulis anticis acutis.

Long. c. alis 36-44 mill.; exp. alar. 64-72 mill.

Termes dirus, *Hag. Linn.* p. 151. tab. 1. 7, 2. 16. 17, 3. 17. 27-40.

*Burm.** ii. p. 766. 8.

*Walk.** p. 510. 9.

Hag. Peters, Reise Mozamb.* ii. p. 83. tab. 4. 1-8.

*Rbr.** p. 307. 13.

Termes flavicollis, *Perty**, *Delect. Anim.* p. 128. tab. 25. 11. 13.

Termes fatale, *Perty**, *Delect. Anim.* p. 127. tab. 25. 8.

Termes costatus, *Rbr.** p. 305. 9.

Termes fuscipennis, *Koll.* Mus. Vienn.*

Termes obscurum, *Blanchard, Hist. Ins.* tab. 47. 1.

Termes e Brasilia, *Westwood**, *Introd.* ii. p. 12. fig. 58. 1.

Miles. Termes spinosum, *Latr.* Hist. Nat.* xiii. p. 70. 8; *Dict. d'Hist. Nat.* xxii. p. 63.

Termes dubius, *Ramb.** p. 309. 17.

Termes spinicolle, *Koll.* Mus. Vienn.*

Termes flavicollis, *Perty**, *Delect. Anim.* p. 128. tab. 25. 13.

Hab. Brazil; Guiana.

a. Interior of Brazil. Presented by the Entomological Club.

b. Para. Presented by Reginald Graham, Esq.

c. Para. Presented by J. P. G. Smith, Esq.

d. Brazil. From Mr. Stevens's Collection.

e, f. From Mr. Children's Collection.

Miles. a, b. Demerara. Presented by Dr. Bowerbank.

c, d. From Mr. Children's Collection.

e, f. From Mr. Mornay's Collection.

g, h. — ?

i. British Guiana. Presented by Sir R. Schomburgk.

Operarius. a. Para. Presented by Reginald Graham, Esq.

b. Rio Janeiro. Presented by F. P. G. Smith, Esq.

15. *T. GRANDIS*.

Niger: abdomine fusco, subtus pallidiori; ore, antennis, pedibus brunneis; alis albidis, venis costalibus fuscis; capite ovali, puncto medio impresso; ocellis distantibus; prothorace semicirculari.

Long. c. alis 36 mill.; exp. alar. 70 mill.

Termes grandis, *Hag. Linn.* p. 157. tab. 2. 10, 3. 18.

*Walk.** p. 519. 20.

Termes decumanus, *Erichs.* Schomburgk, Reise Guyana*, iii. p. 582.

Termes costatus, *Walk.** p. 518. 19.

Termes fossium, *Latr. ? Hist. Nat. xiii.* p. 68. 2; *Dictionn. d'Hist. Nat.* xxii. p. 60.

Hab. Cayenne; Guiana; Santarem.

a, b. British Guiana. Presented by Sir R. Schomburgk.

16. *T. MOLESTUS*.

Fuscus: fronte puncto medio rubro; ore, antennis, pedibus, ventre luteis; alis hyalinis, paulo fumosis, venis costalibus fuscis; capite ovali, macula media orbiculari impressa; ocellis distantibus; prothorace semicirculari.

Long. c. alis 29 mill.; exp. alar. 56 mill.

Termes molestus, *Hag. Linn.* p. 159. tab. 3. 19.

*Burm.** ii. p. 768. 9.

Walk. p. 512. 10.

Hab. Bahia.

17. *T. PRISTINUS*. (Species fossilis.)

Fuscus: alis hyalinis, venis costalibus corneis fuscis (?); prothorace postice angustato, rotundato.

Long. c. alis 30 mill.; exp. alar. 50 mill.

Termes pristinus, *Hag. Linn.* p. 161.

Charp. Act. Leopold. xx.* p. 409. tab. 23. f. 2, 3.

Heer, Insectenf. Öening. ii. p. 32. tab. 3. f. 3.

Giebel, Fauna d. Vorwelt, ii. p. 294.

Hab. Radoboj.

18. *T. NIGRICANS*.

Niger: ore rufo; antennis pedibusque fuscis; alis sordidis, cinereis, venis costalibus fuscis; capite ovali, puncto medio parvo prominulo; ocellis vix distantibus; prothorace semicirculari.

Long. c. alis 24 mill.; exp. alar. 42 mill.

Termes nigricans, *Hag. Linn.* p. 162.

*Ramb.** p. 308. 14.

Walk. p. 519. 23.

Termes destructor, *Fabr. ? Entom. Syst.* ii. p. 89. 2.

Termes trinervius, *Hag.* Peters, Reise Mozamb.* ii. p. 85, queen.

Termes Cephalotes, *Ramb. ?* p. 309. 18.

Hab. Brazil.

19. T. CUMULANS.

Brunneus : capite fusco ; puncto frontis medio, ore, antennis, pedibus, prothorace medio, ventre luteis ; alis hyalinis, albidis, venis costalibus fuscis ; capite rotundato, puncto medio impresso ; ocellis paulo minoribus, distantibus ; prothorace cordiformi, postice angustiori.

Long. c. alis 28 mill. ; exp. alar. 54 mill.

Termes cumulans, *Hag. Linn.* p. 165. tab. 2. 11, 3. 20.

Koll. Pohl, Reise*, i. p. 111. f. 9.

Termes cornutus, *Bates*, MS.*

Termes americanus, *Rengger ?*

Termes pallidipennis, *Blanchard ? Voyage d'Orbigny.*

Hab. Brazil.

20. T. SIMILIS.

Fuscus : ore, antennis, macula frontis media, pedibus, prothorace medio, ventre luteis ; alis hyalinis, pallidis, venis costalibus fuscis ; capite rotundato, macula media impressa orbiculari ; ocellis magnis, distantibus ; prothorace cordiformi.

Long. c. alis 22-27 mill. ; exp. alar. 44-52 mill.

Termes similis, *Hag. Linn.* p. 167. tab. 1. 5, 3. 21.

Hab. Brazil.

21. T. STRIATUS.

Niger : antennis fuscis, pallide annulatis ; ore luteo ; abdomine fusco, segmentis luteo marginatis ; pedibus luteis, tibiis tarsorum articulo apicali fuscis ; alis hyalinis, venis costalibus fuscis ; capite ovali, puncto medio parvo prominulo ; ocellis distantibus ; prothorace cordiformi.

Long. c. alis 19 mill. ; exp. alar. 37 mill.

Termes striatus, *Hag. Linn.* p. 171.

Hab. Brazil.

22. T. AUSTRALIS.

Luteus : prothorace paulo obscuriore, capite rufo-fusco ; alis

hyalinis, albidis, venis costalibus brunneis; capite quadrangulari, plano, puncto medio parvo prominulo; ocellis parvis, approximatis; prothorace majore, quadrangulari.

Long. c. alis 12 mill.; exp. alar. 22 mill.

Termes australis, *Hag. Linn.* p. 173. tab. 3. 22.

*Walk.** p. 525. 25, partim.

Hab. New Holland; Adelaide; East Indies.

a. Adelaide. Presented by the Entomological Club.

b. New Holland. Presented by the Haslar Hospital.

23. T. LUCIFUGUS.

Nigro-piceus: ore, tibiarum apice tarsisque lutescentibus; alis subrugosis, fumosis, venis costalibus nigro-fuscis; capite quadrangulari, plano, puncto parvo medio prominulo; ocellis parvis, approximatis; prothorace latius cordato.

Long. c. alis 10-12 mill.; exp. alar. 18-20 mill.

Termes lucifugus, *Hag. Linn.* p. 174.

*Rossi**, *Mant. Etr.* i. p. 107. 34. tab. 5. f. K.

Latr. Hist. Nat. xiii. p. 69. 5; *Dictionn. d'Hist. Nat.* xxii. p. 61; *Genera Crust.* iii. p. 206. 1.

*Rbr.** p. 304. 6.

Blanchard, Hist. Ins. p. 47. 4.

Guérin, Icon. Règn. Anim. tab. 63. 3.

Bobé-Moreau, Mémoires, 1843, tab. 1.

Joly, Mémoires de Toulouse, 1849, v. p. 1. tab. 1-3.

Lespès, Ann. Sc. Nat. ser. 4. v. p. 228. tab. 1-3.

Termes radicum, *Latr. Bull. Soc. Phil.* i. p. 84.

Termes parvulum, *Illiger**, *Rossi, Fn. Etr.* ii. p. 16.

Termes Madeirensis, *Heer**, *Mus. Vienn.*

Hemerobius raphidioides, *Villers?* *Linn. Entom.* iii. p. 56. tab. 7. 8.

Termes arda, *Forsk.?* *Descript. Anim.* p. 96. 61. tab. 25 A.

Linn. ed. Gmel.? v. p. 2913. 5.

Fabr.? *Gener. Ins.* p. 247.

Termes pusillus, *Walk.** p. 528. 40.

Termes lucifugus, *Walk.** p. 505. 3, partim (only No. 3).

Hab. Portugal; Spain; Provence; Bordeaux; Rochefort; Italy; Sardinia; Dalmatia; Morea; Turkey; Egypt; Cyprus; Madeira.

a, b. — ? c. — ?

24. T. ANTIQUUS. (Species fossilis.)

Castaneus: prothorace rufo-fusco; antennis pedibusque paulo pallidioribus, basi margine externo alarum fuscescentibus; ca-

pite ovali, plano, puncto medio parvo impresso; ocellis distantibus; prothorace cordato.

Long. c. alis $6\frac{1}{2}$ –11 mill.; exp. alar. 11–17 mill.

Termes antiquus, *Hag. Linn.* p. 180.

Hemerobites antiquus, *Germer*, Magaz.* i. p. 16.

Termes antiquus, *Hag.* Berendt, Bernst. Insecten*, ii. p. 54. 5. tab. 5. 6.

Maresca plebeia, *Giebel, Fauna d. Vorwelt*, ii. p. 298.

Termes — ? , *Ouchakoff, Bull. Moscou*, xi. p. 27. tab. 1. 1–3.

Hab. Prussian Amber.

25. T. GRANDÆVUS. (Species fossilis.)

Termes grandævus, *Hag. Linn.* p. 181.

Giebel, Fauna d. Vorwelt, ii. p. 295.

Flata Haidingeri, *Giebel, Fauna d. Vorwelt*, ii. p. 375.

Philontus Kneri, *Giebel, Fauna d. Vorwelt*, ii. p. 72.

Prognatha crassa, *Giebel, Fauna d. Vorwelt*, ii. p. 73.

Meloë Hoernesii, *Giebel, Fauna d. Vorwelt*, ii. p. 106.

Brodie, Fossil Ins. tab. 2. 5, 6, 2, 3, 12; 9. 9.

Hab. England.

26. T. FLAVIPES.

Castaneus: capite prothoraceque nigro-fuscis; antennis fuscescentibus, pallide annulatis; ore, tibiis, tarsis flavis; alis albidis, subrugosis, venis costalibus flavescentibus; capite quadrangulati, plano, puncto medio prominulo; ocellis distantibus; prothorace cordato.

Long. c. alis 9 mill.; exp. alar. 16 mill.

Termes flavipes, *Hag. Linn.* p. 182.

Kollar, Naturg. d. Schædl. Ins.* p. 40.

*Burm.** ii. p. 768. 14; *Zoolog. Handatl.* tab. 28. f. 9, 10.

Westw. Introd.* ii. p. 14. fig. 58. 12, 14, 15.

Reichenbach, Volksnaturgesch.

Termes frontale, *Haldem.* Proc. Acad. Philad.* 1844, ii. p. 55.

Hab. Carolina; Pennsylvania; Cleveland; Bath-house of Schœnbrunn (Vienna).

27. T. VILIS.

Nigro-fuscus: antennis pallide annulatis; ore tarsisque flavidis; ventre medio pallido; alis paulo opacis, sordide flavidis, venis costalibus fuscis; capite ovato, plano; ocellis parvis, distantibus; prothorace fere triangulari.

Long. c. alis 11 mill.; exp. alar. 19 mill.

Termes vilis, *Hag. Linn.* p. 185.

Hab. Schiraz.

** ENTERMES.

Entermes, *Hag. Linnæa*, xii. p. 186.

Caput non nasutum; mediana submedianæ approximata, recta.

28. T. CINGULATUS.

Fuscus: ore, antennis, pedibus, segmentorum marginibus luteis, genubus obscurioribus; alis paulo opacis, fuscescentibus, venis costalibus fuscis; capite parvo, rotundato, plano, puncto prominulo; ocellis majoribus, distantibus; prothorace parvo, semicirculari.

Long. c. alis 17-20 mill.; exp. alar. 32-40 mill.

Termes cingulatus, *Hag. Linn.* p. 187. tab. 1. 13, 3. 24.

*Burm.** ii. p. 767. 13.

Walk. p. 515. 14.

Hab. Brazil; Porto Allegro; Guiana.

29. T. MARABITANAS.

Fuscus: antennis, ore, ventre, pedibus pallidis; tibiarum basi fusca; alis opacis, pallide fusco-cinereis, venis costalibus fuscis; capite plano, ovato, puncto parvo prominulo; ocellis parvis, paulo distantibus; prothorace majore, rotundato.

Long. c. alis 14-16 mill.; exp. alar. 27 mill.

Termes Marabitanas, *Hag. Linn.* p. 191. tab. 1. 4, 3. 25.

Hab. Brazil; St. Jose di Marabitanas.

30. T. TENEBROSUS.

Fusco-niger: prothorace fusco; ore, antennis, pedibus, segmentorum abdominalium marginibus, ventre medio luteis; alis paulo opacis, luteo-cinereis, venis costalibus brunneis; capite convexo, rotundato, puncto medio impresso; ocellis majoribus, oculis approximatis; prothorace rotundato.

Long. c. alis 12-16 mill.; exp. alar. 21-30 mill.

Termes tenebrosus, *Hag. Linn.* p. 193.

Koll. Mus. Vienn.*

Hab. Brazil; St. Paulo.

31. T. ATER.

Fusco-niger: prothorace fusco; ore, antennis, pedibus, ventre luteis; alis opacis, nigro-cinereis, venis costalibus fuscis; capite

convexo, rotundato, puncto medio impresso; ocellis majoribus, oculis approximatis; prothorace parvo, fere orbiculari.

Long. c. alis 12 mill.; exp. alar. 22 mill.

Termes ater, *Hag. Linn.* p. 195. tab. 3. 26.

Termes morio, *Walk.** p. 514. 12.

Hab. Brazil; Columbia.

a, b. Columbia. From Mr. Cuming's Collection.

32. T. OPACUS.

Piceo-niger: ore, antennis fuscescentibus; pedibus luteis; tibiis fuscis; alis opacis, nigro-cinereis, venis costalibus fusco-nigris; capite majori, plano, rotundato, tuberculo orbiculari; ocellis parvis, distantibus; prothorace semicirculari.

Long. c. alis 18 mill.; exp. alar. 34 mill.

Termes opacus, *Hag. Linn.* p. 196. tab. 3. 27.

Hab. Brazil.

33. T. TESTACEUS.

Piceo-niger: ore lutescente; antennis fuscis, pallide annulatis; abdomine fusco, subtus pallidiori; pedibus lutescentibus, genubus fuscis; alis opacis, nigro-cinereis, venis costalibus fusco-nigris; capite plano, rotundato, puncto medio prominulo; ocellis parvis, paulo distantibus; prothorace majori, quadrangulati.

Long. c. alis 14 mill.; exp. alar. 27 mill.

Termes testaceus, *Hag. Linn.* p. 198. tab. 2. 12, 3. 28.

*Burm.** ii. p. 767. 10.

Hemerobius testaceus, *Linn. Syst. Nat.* x. p. 550. 6, xii. p. 912. 8, xiii. p. 2641. 8.

Termes morio, *Fabr. Ent. Syst.* ii. p. 90. 3.

*Rbr.** p. 305. 7.

Erichs. Schomburgk, Reise, iii. p. 582. 2.

Termes nasutus, *Walk.** p. 506. 5.

Perla fusca, *De Geer*, Mém.* iii. p. 567. 1. tab. 27. 4, 5.

Retzius, p. 60. 205.

Hab. Surinam; Cayenne; Guiana; Venezuela; Brazil; Chili.

a. Brazil. Presented by F. P. G. Smith, Esq.

b. Para. From Mr. Stevens's Collection.

34. T. MORIO.

Piceo-niger: antennis, ore, pedibus, ventre lutescentibus; alis opacis, nigro-cinereis, venis costalibus fusco-nigris; capite plano,

quadrangulari, linea media bifida impressa; ocellis majoribus, distantibus; prothorace parvo, semicirculari.

Long. c. alis 12-14 mill.; exp. alar. 22-25 mill.

Termes morio, *Hag. Linn.* p. 200. tab. 3. 29.

Latr. Hist. Nat.* xiii. p. 69. 3; *Dict. d'Hist. Nat.* xxii. 3.

*Burm.** p. 767. 11.

Termes cornigera, *Motsch.* Etudes*, iv. p. 10.

Hab. St. Domingo; Porto Rico; Martinique; Venezuela; Panama; Guatemala; Santarem.

35. *T. SIMPLICINERVIS.*

Fuscus: antennis, ore, pedibus, ventre lutescentibus; alis opacis, cinereis, venis costalibus fusco-nigris; capite pland, rotundato, linea media tenui impressa; ocellis magnis, approximatis; prothorace majori, plano, cordiformi.

Long. c. alis 12 mill.; exp. alar. 21 mill.

Termes simplicinervis, *Hag. Linn.* p. 204.

Bates, MS.*

Hab. Santarem.

36. *T. OBSCURUS.* (Species fossilis.)

Alis fusco-nigris, apice latioribus; mediana apice bifida.

Exp. alar. 28 mill.

Termes obscurus, *Hag. Linn.* p. 204.

Heer, Insectenf. v. Öeningen, ii. p. 33. tab. 3. 4.

Giebel, Fauna d. Vorwelt, ii. p. 295.

Hab. Radoboj.

37. *T. CROATICUS.* (Species fossilis.)

Mediana submedianæ approximata, a subcosta distante, recta.

Exp. alar. circa 30 mill.

Termes croaticus, *Hag. Linn.* p. 205.

Heer, Insectenf. v. Öeningen, ii. p. 34. 18. tab. 3. 5.

Giebel, Fauna d. Vorwelt, ii. p. 295.

Hab. Radoboj.

38. *T. DEBILIS.*

Fusco-niger: antennis albo-annulatis; ore, pedibus, ventre medio lutescentibus; alis opacis, nigro-cinereis, venis costalibus fuscis; capite convexo, quadrangulari, puncto medio impresso; ocellis parvis, oculis approximatis; prothorace parvo, rotundato.

Long. c. alis 8½ mill.; exp. alar. 16 mill.

Termes debilis, *Hag. Linn.* p. 205. tab. 3. 30.

*Heer**, *Insectenf. v. Eningen*, ii. p. 35. 19. tab. 3. 6 (Gummi Anime).

Giebel, *Fauna d. Vorwelt*, ii. p. 295.

Termes morio, *Burm.* partim*, ii. p. 767. 11.

Hab. Porto Rico; Brazil.

39. T. EXIGUUS.

Piceo-niger: antennis brunneis, pallide annulatis; pedibus brunneis, genubus fuscis; abdomine fusco, subtus apice basique media pallidis; alis opacis, cinereis, venis costalibus nigris; capite convexo, oblongo, puncto medio prominulo; ocellis parvis, oculis approximatis; prothorace parvo, rotundato.

Long. c. alis $6\frac{1}{2}$ mill.; exp. alar. 11 mill.

Termes exiguus, *Hag. Linn.* p. 208.

Hab. Santarem.

40. T. FUMIPENNIS.

Piceus: subtus, antennis pedibusque fulvis; caput antice fulvum; abdomen subtus luteum; alæ fuscae.

Long. corp. 5 mill.; exp. alar. 24 mill.

Termes fumipennis, *Hag. Linn.* p. 210.

*Walk.** p. 525. 34.

Hab. New Holland.

a, b. New Holland. Presented by the Entomological Club.

41. T. TRISPINOSUS.

Miles: capite antice trispinoso; labro exciso.

Long. corp. 5 mill.

Termes trispinosus, *Bates, Hag. Linn.* p. 210. tab. 1. 11.

Hab. — ?

42. T. ARBORUM.

Fuscus: capite nigricante; ore, antennis, pedibus testaceis, tarsis luteis; alis opacis, fusco-cinereis, venis costalibus fuscis; capite parvo, rotundato, plano, puncto medio impresso; ocellis approximatis; prothorace cordiformi.

Long. c. alis 16 mill.; exp. alar. 29 mill.

Termes arborum, *Hag. Linn.* p. 212.

Smeathm. Trans. Roy. Soc. vol. 71. p. 141. 5. tab. 10. 21-24.

Termes obscurus, *Mus. Berol.**

Hab. Cape; Senegal.

43. T. ATROX.

Nigricans: segmentis abdominalibus margine pallidis; antennis pedibusque testaceis; alis fuliginosis, costa nigra; ocellis inferis, puncto centrali impresso.

Long. c. alis 17 mill.; exp. alar. 31 mill.

Termes atrox, *Hag. Linn.* p. 213.

Smeathm. Trans. Roy. Soc. vol. 71. p. 141. 3. tab. 10. 14-18.

Termes arda, *Fabr. Spec. Ins.* i. p. 397. 3; *Mant. Ins.* i. p. 248. 3;

Ent. Syst. ii. p. 90. 4.

Hab. Sierra Leone.

44. T. MORDAX.

Nigricans: antennis pedibusque testaceis; alis fuliginosis, area marginali dilatata, costa nigricante; ocellis inferis, oculo approximatis, puncto centrali impresso.

Termes mordax, *Hag. Linn.* p. 215.

Smeathm. Trans. Roy. Soc. vol. 71. p. 141. 2. tab. 10. 10-13.

Fabr. Spec. Ins. i. 397. 4; *Mant. Ins.* p. 248. 4; *Ent. Syst.*

ii. p. 91. 5.

Hab. Sierra Leone.

45. T. LATERALIS.

Piceus, gracilis, linearis: subtus, antennis pedibusque fulvis; caput antice fulvum; thorace paulo latius; alæ fuscae.—*Walker.*

Long. c. alis 7 mill.; exp. alar. 13 mill.

Termes lateralis, *Hag. Linn.* p. 215.

*Walk.** p. 523. 30.

Hab. Sierra Leone.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Miles? *Termes fatalis*, *Walk.** p. 509. 8.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

46. T. TRINERVIUS.

Ferrugineus: subtus, antennis, pedibus, prothorace, marginibus segmentorum dorsalium luteis; alis opacis, luteo-cinereis, venis costalibus rufis; capite plano, linea bifida impressa; ocellis distantibus; prothorace semicirculari, brevi.

Long. c. alis 19-21 mill.; exp. alar. 38-42 mill.

Termes trinervius, *Hag. Linn.* p. 216. tab. 3. 31.

Termes trinervius, *Rbr.** p. 308. 16.

*Walk.** p. 500. 25.

Hab. Cape; Senegal; Tripoli.

a. Tripoli.

47. T. RIPPERTII.

Ferrugineus: capite piceo, antice fulvo; antennis, pedibus, prothorace, abdomine subtus medio luteis; alis opacis, luteo-cinereis, venis costalibus rufis; capite plano, linea impressa; oculis valde prominentibus, ocellis approximatis; prothorace semicirculari, brevi.

Long. c. alis 14–18 mill.; exp. alar. 27–35 mill.

Termes Rippertii, *Hag. Linn.* p. 218. tab. 2. 13, 3. 32.

*Ramb.** p. 308. 15.

*Walk.** p. 520. 24.

Termes destructor, *Perty**, *Delect.* p. 127. tab. 25. 9.

Hab. Cuba; Jamaica; Columbia; Brazil.

a-d. Jamaica. From Mr. Gosse's Collection.

48. T. MAURICIANUS.

Termes Mauricianus, *Rbr.* p. 305. 8.

Hab. Isle of France (Oxford, Mus. Hope).

49. T. LIVIDUS.

Testaceus: ore, prothorace medio, antennis, pedibus, segmentorum abdominis marginibus luteis; alis opacis, luteo-cinereis, venis costalibus rufis; capite parvo, plano, lineola media flava; ocellis magnis, approximatis; prothorace fere orbiculari.

Long. c. alis 14 mill.; exp. alar. 27 mill.

Termes lividus, *Hag. Linn.* p. 221. tab. 3. 33.

*Burm.** ii. p. 767. 12.

Walk. p. 515. 13.

Hab. St. Domingo.

50. T. ARENARIUS.

Pallide testaceus: capite castaneo; alis opacis, pallide luteo-cinereis, venis costalibus luteis; capite plano, majori, lineola impressa; ocellis parvis, distantibus; prothorace semicirculari.

Long. c. alis 14 mill.; exp. alar. 27 mill.

Termes arenarius, *Bates**, *Hag. Linn.* p. 222.

Termes testaceus, *Walk.** p. 513. 11?

Hab. Santarem. Honduras?

a, b. Honduras. From Mr. Miller's Collection.

51. *T. ALBIDUS*.

Testaceus: capite piceo; alis opacis, luteo-cinereis, venis costalibus rufis; capite rotundato, lineola impressa; ocellis parvis, approximatis; prothorace semicirculari.

Long. c. alis 11 mill.; exp. alar. 20 mill.

Termes albidus, *Hag. Linn.* p. 225. tab. 3. 34.

Hab. Brazil; Santarem.

52. *T. ARMIGER*.

Miles: nasutus, capite rufo.

Termes armiger, *Hag. Linn.* p. 228. tab. 1. 1.

Termes armigera, *Motsch.* Etudes*, iv. p. 10.

Hab. Panama.

53. *T. MONOCEROS*.

Termes monoceros, *Koenig, Schrift. Berl. Naturf. Freund*, iv. p. 25. tab. 1. 10, 11.

Hab. Tranquebar. (Larva nasuta.)

54. *T. DEVASTANS*.

Termes devastans, *Koll.* Pohl, Reise Brasil.* tab. 1. f. 8, larva.

Hab. Brazil.

55. *T. NIGRICEPS*.

Termes nigriceps, *Haldem. Proc. Acad. Philad.* 1853, p. 365, larva nasuta.

Hab. Western Mexico.

56. *T. INCERTUS*.

Pallidus, supra flavidus: capite fusco, rotundato, puncto medio minimo; ocellis magnis, approximatis; prothorace semicirculari.

Long. corp. 22 mill.

Termes incertus, *Hag. Bericht Berl. Akad.* 1853, p. 481; *Peters, Reise Mozamb.* tab. 4. f. 22.

Hag. Linn. p. 230.

Hab. Tette, Mozambique.

57. *T. TENUIS.*

Pallide flavus: capite prothoraceque paulo fuscescentibus; alis opacis, pallide albo-flavis, venis costalibus luteis; capite oblongo, convexo, puncto medio prominulo; ocellis nullis; prothorace quadrangulati.

Long. c. alis 10 mill.; exp. alar. 20 mill.

Termes tenuis, *Hag. Linn.* p. 231. tab. 3. f. 35.

Hab. Port aux Princes, St. Domingo; Columbia; Brazil.

*** RHINOTERMES.

Rhinotermes, *Hag. Linnæa*, xii. p. 233.

Caput nasutum, mediana a submediana distante, membrana verrucosa.

58. *T. MARGINALIS.*

Luteus, supra castaneus: alis hyalinis, albidis, subrugosis, venis costalibus fuscescentibus; capite orbiculari, nasuto, puncto medio prominulo; ocellis magnis, paulo distantibus; prothorace lato, oblongo.

Long. c. alis 14 mill.; exp. alar. 25 mill.

Hemerobius marginalis, *Linn.* Syst. Nat.* x. p. 550. 7, xii. p. 912. 9.

Perla nasuta, *De Geer**, *Mém.* iii. p. 568. tab. 27. f. 6, 7.

Retzius, p. 60. 206.

Termes nasutus, *Burm.* ii.* p. 764. 4.

Latr. Hist. Nat. xiii. p. 69. 4; *Dict. d'Hist. Nat.* xxii. p. 61.

Hab. Surinam.

59. *T. NASUTUS.*

Luteus: capite prothoraceque aurantiacis; alis hyalinis, fumosis, subrugosis, venis costalibus fuscescentibus; capite majori, orbiculari, breviter nasuto, puncto medio prominulo; ocellis magnis, paulo distantibus; prothorace lato, postice angustiori.

Long. c. alis 17 mill.; exp. alar. 28 mill.

Termes nasutum, *Perty**, *Delect. Anim.* p. 127. tab. 25. f. 10.

Termes nasutus, *Hag. Linn.* p. 237. tab. 2. 14, 3. 1.

Hab. Brazil.

60. *T. SIMPLEX.*

Fulvus: antennis pedibusque flavidis; alis hyalinis, subrugosis,

venis costalibus flavidis; capite rotundato, convexo, puncto medio aperto; ocellis parvis, valde approximatis; prothorace plano, semicirculari; alis vena mediana nulla.

Long. c. alis 10 mill.; exp. alar. 17 mill.

Termes simplex, *Hag. Linn.* p. 238. tab. 3. 23.

Hab. Cuba.

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JUL 22 1912

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